

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/022838

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07K14/315 A61K39/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/042027 A (CHIRON CORPORATION) 20 April 2006 (2006-04-20) page 7, paragraph 43 - page 9, paragraph 50 page 11, paragraph 60 page 14, paragraph 70 - page 18, paragraph 79 page 19, paragraph 87 - page 27, paragraph 110 page 30, paragraph 121 - page 70, paragraph 280; example 5 Tables 1-3; 7, 16; Antigen GAS 25; SEQ ID NOs: 296, 297 claims <div style="text-align: center; margin-top: 10px;"> ----- -/-- </div>	1-15

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

2 September 2008

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10/09/2008

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 93/05156 A (BECKMAN INSTRUMENTS, INC.) 18 March 1993 (1993-03-18) page 2, line 3 - line 16 page 10, line 25 - page 11, line 6; example 8; sequence 2 -----	1,2
A	US 5 700 648 A (KEHOE MICHAEL [GB] ET AL) 23 December 1997 (1997-12-23) column 2, line 8 - line 31 column 2, line 44 - column 3, line 8 column 8, line 25 - column 9, line 12 -----	1-15
A	GB 2 233 977 A (KEHOE MICHAEL; PINKNEY MICHAEL) 23 January 1991 (1991-01-23) the whole document -----	1-15
A	US 5 354 846 A (KEHOE MICHAEL [GB]) 11 October 1994 (1994-10-11) column 2, line 23 - line 40 column 3, line 46 - column 4, line 32 page 6, line 14 - line 38; figure 1 -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2007/022838

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006042027	A	20-04-2006	AU 2005294275 A1 20-04-2006
			CA 2583803 A1 20-04-2006
			EP 1807446 A2 18-07-2007
WO 9305156	A	18-03-1993	AT 159293 T 15-11-1997
			AU 661028 B2 13-07-1995
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